

**Env**CHAPTER Env-A 2500 PULP AND PAPER INDUSTRY: PARTICULATE MATTER AND VISIBLE EMISSION STANDARDS

Statutory Authority: RSA 125-C:4, ***I(a)***

**Readopt with amendment Env-A 2501.01 and Env-A 2502.02, effective 1-18-97 (Document #6428-B), to read as follows:**

PART Env-A 2501 PURPOSE

Env-A 2501.01 Purpose. The purpose of this chapter is to establish particulate matter emission standards and visible emission standards for kraft mills, sulfite mills, and paper manufacturing facilities.

PART Env-A 2502 ~~SCOPE~~***APPLICABILITY, REFERENCES, AND DEFINITIONS***

Env-A 2502.01 ~~Scope~~***Applicability***. This chapter shall apply to ***the owner or operator of:*** ~~any kraft mill, sulfite mill and paper manufacturing facility in the state.~~

- (a) A lime kiln, non-fuel burning device, or fuel burning device at a kraft mill;***
- (b) A fuel burning device or non-fuel burning device at a sulfite mill; and***
- (c) A fuel burning device or non-fuel burning device at a paper manufacturing facility.***

***Env-A 2502.02 References.*** For the purpose of this chapter, unless otherwise specified, the July 1, 2003 edition of title 40 of the Code of Federal Regulations (CFR) shall control all references to 40 CFR 60.

**Adopt Env-A 2502.03 to read as follows:**

***Env-A 2502.03 Definitions.***

- (a) "Paper manufacturing facility" means a facility that produces paper products for sale in roll form or as reams of paper sheets. This type of facility can include secondary fiber pulping operations and subsequent paper production. A paper manufacturing facility produces various types of papers, including fine (writing or copy paper), coarse (book text or filters), specialty, and newsprint papers.***
- (b) "Sulfite mill" means a place where a pulping process uses as a cooking liquor an acidic solution containing sulfurous acid and bisulfite of an alkaline base, such as calcium, sodium, ammonium, or magnesium.***

**Readopt with amendment Env-A 2503.01 and Env-A 2504.06, effective 1-18-97 (Document #6428-B), to read as follows:**

PART Env-A 2503 EMISSION STANDARDS FOR KRAFT MILLS ***SOURCES OR DEVICES***  
~~WHICH~~***THAT*** COMMENCED CONSTRUCTION OR MODIFICATION PRIOR TO OR  
ON SEPTEMBER 24, 1976

Env-A 2503.01 ***Particulate*** Emission Standards for ***Lime Kilns***~~Specific Sources or Devices Utilized at Kraft Mills which Commenced Construction or Modification Prior to or On September 24, 1976.~~ For the following devices utilized at a kraft mill ~~which~~***a kraft mill lime kiln that*** commenced construction or modification prior to or on September 24, 1976, ~~no person~~***the owner or operator*** shall ***not*** cause or allow the emission of particulate matter to exceed ~~any of the following standards:~~

- ~~\_\_\_\_\_~~ (a) For recovery furnaces: 1.8 kilograms per ton, or 4 pounds per ton, of air dried pulp;
- ~~\_\_\_\_\_~~ (b) For lime kilns: 0.87 kilograms per ton (***kg/ton***), ***or*** 1.9 pound per ton (***lb/ton***), of lime mud; ~~or.~~
- ~~\_\_\_\_\_~~ (c) For smelt tanks: 0.23 kilograms per ton, 0.5 pound per ton, of air dried pulp.

~~Env A 2503.02 Particulate Matter Emission Standards for Non Fuel Burning Devices Utilized at Kraft Mills which Commenced Construction or Modification Prior to or On September 24, 1976.~~ For non fuel burning devices utilized at kraft mills which commenced construction or modification prior to or on September 24, 1976, no person shall cause or allow the emission of particulate matter to exceed those emission standards specified for ~~“Existing Devices”~~ in Table 2103-1, or calculated pursuant to Env-A 2103 or Env-A 2104.

~~Env-A 2503.03~~**2503.02** Visible Emission Standards for Non-Fuel Burning Devices Utilized at Kraft Mills which Commenced Construction or Modification Prior to or On September 24, 1976.

(a) Unless otherwise specified in this chapter, ~~no person~~***the owner or operator*** shall ***not*** cause or allow visible fugitive emissions or visible stack emissions from any ***kraft mill*** non-fuel burning device ~~utilized at a kraft mill which~~***that*** commenced construction or modification prior to or on September 24, 1976, to exceed an average of 20 percent (%) opacity for any continuous 6-minute period ~~in any 60-minute period, except for one period of 6 continuous minutes in any 60-minute period during startup, shutdown, or malfunction.~~

(b) Opacity shall be determined in accordance with Env-A 807.

~~Env-A 2503.04~~**2503.03** Particulate Matter Emission Standards for Fuel Burning Devices Utilized at Kraft Mills which Commenced Construction or Modification Prior to or On September 24, 1976. For ***kraft mill*** fuel burning devices ~~utilized at kraft mills which~~ commenced construction or modification prior to or on September 24, 1976, ~~no person~~***the owner or operator*** shall ***not*** cause or allow the emission of particulate matter to exceed those emission standards specified in Env-A-~~2000~~**2003.06 or Env-A 2003.07, as applicable.**

~~Env-A 2503.05~~**2503.04** Visible Emission Standards for Fuel Burning Devices Utilized at Kraft Mills which Commenced Construction or Modification Prior to or On September 24, 1976. For ***kraft mill*** fuel burning devices ~~utilized at kraft mills which~~ commenced construction or modification prior to or on September 24, 1976, ~~no person~~***the owner or operator*** shall ***not*** cause or allow visible fugitive emissions or visible stack emissions to exceed those emission standards specified in Env-A-~~2000~~**2003.01 or Env-A 2003.02, as applicable.**

PART Env-A 2504 EMISSION STANDARDS FOR KRAFT MILLS ***SOURCES OR DEVICES THAT WHICH COMMENCED CONSTRUCTION OR MODIFICATION AFTER SEPTEMBER 24, 1976***

~~\_\_\_\_\_ Env A 2504.01 Emission Standards for Devices Subject to 40 CFR 60, Subpart BB and Utilized at Kraft Mills which Commenced Construction or Modification After September 24, 1976.~~ For devices meeting the applicability requirements of 40 CFR 60, Subpart BB, no person shall cause or allow the emission of particulate matter to exceed those standards as specified in 40 CFR 60, Subpart BB.

~~\_\_\_\_\_ Env A 2504.02 Visible Emission Standards for Devices Subject to 40 CFR 60, Subpart BB and Utilized at Kraft Mills which Commenced Construction or Modification After September 24, 1976.~~ For devices meeting the applicability requirements of 40 CFR 60, Subpart BB, no person shall cause or allow visible fugitive emissions or visible stack emissions to exceed those standards as specified in 40 CFR 60, Subpart BB.

~~\_\_\_\_\_ Env A 2504.03 Emission Standards for Non Fuel Burning Devices Not Subject to 40 CFR 60, Subpart BB and Utilized at Kraft Mills which Commenced Construction or Modification After September 24, 1976.~~ For non-fuel burning devices which are not subject to 40 CFR 60, Subpart BB, no person shall cause or allow the

~~emission of particulate matter to exceed those emission standards specified for "New Devices" in Table 2103-1, or calculated pursuant to Env-A 2104 or Env-A 2106.~~

Env-A 2504.04~~2504.01~~ Visible Emission Standards for Non-Fuel Burning Devices *at a Kraft Mill* Not Subject to 40 CFR 60, Subpart BB and Utilized at Kraft Mills which Commenced Construction or Modification After September 24, 1976.

(a) Unless otherwise specified in this chapter, ~~no person~~***the owner or operator*** shall ***not*** cause or allow visible fugitive emissions or visible stack emissions from any ***kraft mill*** non-fuel burning device not subject to 40 CFR 60, Subpart BB ~~and utilized at kraft mills which~~***that*** commenced construction or modification after September 24, 1976 to exceed an average of 20~~percent~~% opacity for any continuous 6-minute period~~in any 60-minute period~~, except as specified in Env-A 2000***for one period of 6 continuous minutes in any 60-minute period during startup, shutdown, or malfunction.***

(b) Opacity shall be determined in accordance with Env-A 807.

Env-A 2504.05~~2504.02~~ Particulate Matter Emission Standards for Fuel Burning Devices *at a Kraft Mill* Not Subject to 40 CFR 60, Subpart BB and Utilized at Kraft Mills which Commenced Construction or Modification After September 24, 1976. For ***kraft mill*** fuel burning devices ***commencing construction or modification after September 24, 1976*** ~~which~~***that*** are not subject to 40 CFR 60, Subpart BB, ~~and utilized at kraft mills which commenced construction or modification after September 24, 1976, no person~~***the owner or operator*** shall ***not*** cause or allow the emission of particulate matter to exceed those emission standards specified in Env-A ~~2000~~***2003.07 through Env-A 2003.09, as applicable.***

Env-A 2504.06~~2504.03~~ Visible Emission Standards for Fuel Burning Devices *at a Kraft Mill* Not Subject to 40 CFR 60, Subpart BB and Utilized at Kraft Mills which Commenced Construction or Modification After September 24, 1976.

(a) For ***kraft mill*** fuel burning devices ***commencing construction or modification after September 24, 1976*** ~~which~~***that*** are not subject to 40 CFR 60, Subpart BB, ~~no person~~***the owner or operator*** shall ***not*** cause or allow visible fugitive emissions or visible stack emissions to exceed ~~those emission standards specified in Env-A 2000~~ ***an average of 20% opacity for any continuous 6-minute period, except for one period of 6 continuous minutes in any 60-minute period during startup, shutdown, or malfunction.***

(b) Opacity shall be determined in accordance with Env-A 807.

Repeal Env-A 2505.01 through Env-A 2505.04, effective 1-18-97 (Document #6428-B), as follows and hold Env-A 2505 in reserve:

PART Env-A 2505 ~~EMISSION STANDARDS FOR SULFITE MILLS INSTALLED PRIOR TO OR ON FEBRUARY 18, 1972~~***RESERVED***

~~Env A 2505.01 Emission Standards for Fuel Burning Devices Utilized at Sulfite Mills Installed Prior to or On February 18, 1972. For fuel burning devices utilized at sulfite mills installed prior to or on February 18, 1972, no person shall cause or allow emission standards to exceed those as specified in Env-A 2000.~~

~~Env A 2505.02 Visible Emission Standards for Fuel Burning Devices Utilized at Sulfite Mills Installed Prior to or On February 18, 1972. For fuel burning devices utilized at sulfite mills installed prior to or on February 18, 1972, no person shall cause or allow visible fugitive emissions or visible stack emissions to exceed those emission standards specified in Env-A 2000.~~

~~Env A 2505.03 Emission Standards for Non-Fuel Burning Devices Utilized at Sulfite Mills Installed Prior to or On February 18, 1972. For fuel burning devices utilized at sulfite mills installed prior to or on~~

~~February 18, 1972, no person shall cause or allow emission standards to exceed those specified for "Existing Devices" in Table 2103-1.~~

~~Env-A 2505.04 Visible Emission Standards for Non-Fuel Burning Devices Utilized at Sulfite Mills Installed Prior to or On February 18, 1972.~~

~~(a) Unless otherwise specified in this chapter, no person shall cause or allow visible fugitive emissions or visible stack emissions from any non-fuel burning device utilized at sulfite mills installed prior to or on February 18, 1972, to exceed an average of 20 percent opacity for any continuous 6-minute period in any 60-minute period, except as specified in Env-A 2000.~~

~~(b) Opacity shall be determined in accordance with Env-A 807.~~

**Readopt with amendment Env-A 2506.01 through Env-A 2508.04, effective 1-18-97 (Document #6428-B), to read as follows:**

**PART Env-A 2506 EMISSION STANDARDS FOR SULFITE MILLS *SOURCES OR DEVICES* INSTALLED AFTER FEBRUARY 18, 1972**

Env-A 2506.01 ~~Particulate Matter Emission Standards for Fuel Burning Devices Utilized at Sulfite Mills Installed After February 18, 1972.~~ For *sulfite mill* fuel burning devices ~~utilized at sulfite mills installed after February 18, 1972, no person~~***the owner or operator*** shall ***not*** cause or allow emission standards to exceed those as specified in Env-A ~~2000~~***2003.07 through Env-A 2003.09, as applicable.***

Env-A 2506.02 ~~Visible Emission Standards for Fuel Burning Devices Utilized at Sulfite Mills Installed After February 18, 1972.~~

~~(a) For *sulfite mill* fuel burning devices utilized at sulfite mills installed after February 18, 1972, no person~~***the owner or operator*** shall ***not*** cause or allow visible fugitive emissions or visible stack emissions to exceed ~~those emission standards specified in Env-A 2000~~***an average of 20% opacity for any continuous 6-minute period, except for one period of 6 continuous minutes in any 60-minute period during startup, shutdown, or malfunction.***

~~(b) Opacity shall be determined in accordance with Env-A 807.~~

~~Env-A 2506.03 Emission Standards for Non-Fuel Burning Devices Utilized at Sulfite Mills Installed After February 18, 1972.~~ For non-fuel burning devices utilized at sulfite mills installed after February 18, 1972, no person shall cause or allow emission standards to exceed those specified for "New Devices" in Table 2103-1.

Env-A ~~2506.04~~***2506.03*** ~~Visible Emission Standards for Non-Fuel Burning Devices Utilized at Sulfite Mills Installed After February 18, 1972.~~

(a) Unless otherwise specified in this chapter, ~~no person~~***the owner or operator*** shall ***not*** cause or allow average visible fugitive emissions or average visible stack emissions from any *sulfite mill* non-fuel burning device ~~utilized at sulfite mills installed after February 18, 1972 to exceed an average of 20 percent~~***opacity for any continuous 6-minute period in any 60-minute period, except for one period of 6 continuous minutes in any 60-minute period during startup, shutdown, or malfunction.***

(b) Opacity shall be determined in accordance with Env-A 807.

**PART Env-A 2507 EMISSION STANDARDS FOR PAPER MANUFACTURING FACILITIES *SOURCES OR DEVICES* INSTALLED PRIOR TO OR ON FEBRUARY 18, 1972**

Env-A 2507.01 ***Particulate Matter*** Emission Standards for Fuel Burning Devices ~~Utilized at Paper Manufacturing Facilities Installed Prior to or On February 18, 1972.~~ For ***paper manufacturing facility*** fuel burning devices ~~utilized at paper manufacturing facilities installed prior to or on February 18, 1972, no person~~***the owner or operator*** shall ***not*** cause or allow emission standards to exceed those as specified in Env-A ~~2000~~***2003.06, Env-A 2003.07, or Env-A 2003.09, as applicable.***

Env-A 2507.02 Visible Emission Standards for Fuel Burning Devices ~~Utilized at Paper Manufacturing Facilities Installed Prior to or On February 18, 1972.~~ For ***paper manufacturing facility*** fuel burning devices ~~utilized at paper manufacturing facilities installed prior to or on February 18, 1972, no person~~***the owner or operator*** shall ***not*** cause or allow visible fugitive emissions or visible stack emissions to exceed those emission standards specified in Env-A ~~2000~~***2003.01 or Env-A 2003.02, as applicable.***

~~Env-A 2507.03 Emission Standards for Non-Fuel Burning Devices Utilized at Paper Manufacturing Facilities Installed Prior to or On February 18, 1972. For non-fuel burning devices utilized at paper manufacturing facilities installed prior to or on February 18, 1972, no person shall cause or allow emission standards to exceed those specified for "Existing Devices" in Table 2103-1.~~

Env-A ~~2507.04~~***2507.03*** Visible Emission Standards for Non-Fuel Burning Devices ~~Utilized at Paper Manufacturing Facilities Installed Prior to or On February 18, 1972.~~

(a) Unless otherwise specified in this chapter, ~~no person~~***the owner or operator*** shall ***not*** cause or allow average visible fugitive emissions or average visible stack emissions from any ***paper manufacturing facility*** non-fuel burning device ~~utilized at paper manufacturing facilities installed prior to or on February 18, 1972 to exceed an average of 20 percent~~***% opacity for any continuous 6-minute period in any 60-minute period, except for one period of 6 continuous minutes in any 60-minute period during startup, shutdown, or malfunction.***

(b) Opacity shall be determined in accordance with Env-A 807.

#### PART Env-A 2508 EMISSION STANDARDS FOR PAPER MANUFACTURING FACILITIES ~~AND~~ ***SOURCES OR DEVICES*** INSTALLED AFTER FEBRUARY 18, 1972

Env-A 2508.01 ~~Emission Standards for Fuel Burning Devices Utilized at Paper Manufacturing Facilities Installed After February 18, 1972.~~ For ***paper manufacturing facility*** fuel burning devices ~~utilized at paper manufacturing facilities installed after February 18, 1972, no person~~***the owner or operator*** shall ***not*** cause or allow emission standards to exceed those as specified in Env-A ~~2000~~***2003.07 through Env-A 2003.09, as applicable.***

~~Env-A 2508.02 Visible Emission Standards for Fuel Burning Devices Utilized at Paper Manufacturing Facilities Installed After February 18, 1972. For fuel burning devices utilized at paper manufacturing facilities installed after February 18, 1972, no person shall cause or allow visible fugitive emissions or visible stack emissions to exceed those emission standards specified in Env-A 2000.~~

~~Env-A 2508.03 Emission Standards for Non-Fuel Burning Devices Utilized at Paper Manufacturing Facilities Installed After February 18, 1972. For non-fuel burning devices utilized at paper manufacturing facilities installed after February 18, 1972, no person shall cause or allow emission standards to exceed those specified for "New Devices" in Table 2103-1.~~

Env-A ~~2508.04~~***2508.02*** Visible Emission Standards for ***Fuel Burning Devices and*** Non-Fuel Burning Devices ~~Utilized at Paper Manufacturing Facilities Installed After February 18, 1972.~~

(a) Unless otherwise specified in this chapter, ~~no person~~***the owner or operator*** shall ***not*** cause or allow visible fugitive emissions or visible stack emissions from any ***paper manufacturing facility fuel burning device*** ~~or non-fuel burning device utilized at paper manufacturing facilities installed after February 18, 1972 to exceed~~

an average of 20~~percent~~% opacity for any continuous 6-minute period ~~in any 60-minute period~~, except for ***one*** periods of ~~start-up~~ ***6 continuous minutes in any 60-minute period during startup, shutdown, or malfunction.***

(b) Opacity shall be determined in accordance with Env-A 807.

**Repeal Env-A 2509, effective 1-18-97 (Doc. #6428-B), as follows:**

~~PART Env-A 2509 PERMIT, FEE, TESTING, MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS~~

~~—— Env-A 2509.01 Permit, Fee, Testing, Monitoring, Recordkeeping, and Reporting Requirements. Sources or devices subject to this chapter shall comply with the following, where applicable:~~

- ~~—— (a) Permit requirements specified in Env-A 600;~~
- ~~—— (b) Fee requirements specified in Env-A 700;~~
- ~~—— (c) Testing and monitoring requirements specified in Env-A 800; and~~
- ~~—— (d) Recordkeeping and reporting requirements specified in Env-A 900.~~

**Appendix**

<b>Provision of the Proposed Rule</b>	<b>Specific State or Federal Statutes or Regulations which the Rule is Intended to Implement</b>
<b>Env-A 2501 through 2508 (existing Env-A 2505 repealed)</b>	<b>RSA 125-C:4, I(a)</b>
<b>Env-A 2509 (repealed)</b>	<b>RSA 125-C:4, I(a)</b>